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SEQUENCE LISTING

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HAMAR, PETER

<120> METHODS FOR TREATING AND PREVENTING ISCHEMIA-REPERFUSION
INJURY USING RNA INTERFERING AGENTS

<130> 033393-55222

<140> PCT/US04/36200

<141> 2004-11-01

<150> 60/516,172

<151> 2003-10-30

<160> 35

<170> PatentIn Ver. 3.2

<210> 1

<211> 9

<212> PRT

<213> Human immunodeficiency virus type 1

<400> 1

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1 5

<210> 2

<211> 13

<212> PRT

<213> Human immunodeficiency virus type 1

<400> 2

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1 5 10

<210> 3

<211> 11

<212> PRT

<213> Human immunodeficiency virus type 1

<400> 3

Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
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<210> 4

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Kaposi FGF construct

<400> 4

Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
1 5 10 15

Val Gln Arg Lys Arg Gln Lys Leu Met Pro
20 25

<210> 5
<211> 17
<212> PRT
<213> Caiman crocodilus

<400> 5
Met Gly Leu Gly Leu His Leu Leu Val Leu Ala Ala Ala Leu Gln Gly
1 5 10 15

Ala

<210> 6
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic HIV
envelope glycoprotein gp41

<400> 6
Gly Ala Leu Phe Leu Gly Phe Leu Gly Ala Ala Gly Ser Thr Met Gly
1 5 10 15

Ala Pro Lys Ser Lys Arg Lys
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<210> 7
<211> 16
<212> PRT
<213> Drosophila sp.

<400> 7
Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
1 5 10 15

<210> 8
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic RGD
peptide

<220>
<221> MOD_RES
<222> (1)
<223> variable amino acid

<220>
<221> MOD_RES
<222> (5)
<223> variable amino acid

<400> 8
 Xaa Arg Gly Asp Xaa
 1 5

<210> 9
 <211> 24
 <212> PRT
 <213> Influenza virus

<400> 9
 Gly Leu Phe Glu Ala Ile Ala Gly Phe Ile Glu Asn Gly Trp Glu Gly
 1 5 10 15
 Met Ile Asp Gly Gly Gly Tyr Cys
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<210> 10
 <211> 27
 <212> PRT
 <213> Unknown Organism

<220>
 <223> Description of Unknown Organism: Transportan A

<400> 10
 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Lys Ile Asn Leu
 1 5 10 15
 Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu
 20 25

<210> 11
 <211> 9
 <212> PRT
 <213> Unknown Organism

<220>
 <223> Description of Unknown Organism: Pre-S-peptide

<400> 11
 Ser Asp His Gln Leu Asn Pro Ala Phe
 1 5

<210> 12
 <211> 9
 <212> PRT
 <213> Unknown Organism

<220>
 <223> Description of Unknown Organism: Somatostatin
 (tyr-3-octreotate)

<400> 12
 Ser Phe Cys Tyr Trp Lys Thr Cys Thr
 1 5

<210> 13

<211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Combined DNA/RNA Molecule: Synthetic Fas sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Fas sequence

<400> 13
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<210> 14
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Combined DNA/RNA Molecule: Synthetic Fas sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Fas sequence

<400> 14
 gucugguuug cacuugcact t 21

<210> 15
 <211> 19
 <212> DNA
 <213> Homo sapiens

<400> 15
 gaggaagact gttactaca 19

<210> 16
 <211> 19
 <212> DNA
 <213> Homo sapiens

<400> 16
 tgatgaagga catggctta 19

<210> 17
 <211> 19
 <212> DNA
 <213> Homo sapiens

<400> 17
 gaagcgtatg acacattga 19

<210> 18
 <211> 19
 <212> DNA

<213> Homo sapiens

<400> 18

ggacattact agtgactca

19

<210> 19

<211> 1008

<212> DNA

<213> Homo sapiens

<400> 19

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gttactacag	ttgagactca	gaacttggaa	ggcctgcatc	atgatggcca	attctgccat	180
aagccctgtc	ctccagggtga	aaggaaagct	agggactgca	cagtcaatgg	ggatgaacca	240
gactgcgtgc	cctgccaaga	agggaaaggag	tacacagaca	aagcccat	ttcttccaaa	300
tgcagaagat	gtagattgtg	tgatgaagga	catggcctag	aagtggaaat	aaactgcacc	360
cggaccacaga	ataccaagtg	cagatgtaaa	ccaaactttt	tttgtaactc	tactgtatgt	420
gaacactgtg	acccttgcac	caaatgtgaa	catggaatca	tcaaggaatg	cacactcacc	480
agcaacacca	agtgcacaaga	ggaaggatcc	agatctaact	tggggtggct	ttgtcttctt	540
cttttgccaa	ttccactaat	tggttggtg	aagagaaagg	aagtacagaa	aacatgcaga	600
aagcacagaa	aggaaaacca	aggttctcat	gaatctccaa	ccttaaatcc	tgaaacagtg	660
gcaataaatt	tatctgatgt	tgacttgagt	aaatatatca	ccactattgc	tggagtcagt	720
acactaagtc	aagttaaagg	ctttgttcga	aagaatggtg	tcaatgaagc	caaaatagat	780
gagatcaaga	atgacaatgt	ccaagacaca	gcagaacaga	aagttcaact	gcttcgtaat	840
tggcatcaac	ttcatggaaa	gaaagaagcg	tatgacacat	tgattaaaga	tctcaaaaaa	900
gccaatcttt	gtactcttgc	agagaaaatt	cagactatca	tcctcaagga	cattactagt	960
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<210> 20

<211> 945

<212> DNA

<213> Homo sapiens

<400> 20

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gttactacag	ttgagactca	gaacttggaa	ggcctgcatc	atgatggcca	attctgccat	180
aagccctgtc	ctccagggtga	aaggaaagct	agggactgca	cagtcaatgg	ggatgaacca	240
gactgcgtgc	cctgccaaga	agggaaaggag	tacacagaca	aagcccat	ttcttccaaa	300
tgcagaagat	gtagattgtg	tgatgaagga	catggcctag	aagtggaaat	aaactgcacc	360
cggaccacaga	ataccaagtg	cagatgtaaa	ccaaactttt	tttgtaactc	tactgtatgt	420
gaacactgtg	acccttgcac	caaatgtgaa	catggaatca	tcaaggaatg	cacactcacc	480
agcaacacca	agtgcacaaga	ggaagtgaag	agaaagggaag	tacagaaaac	atgcagaaag	540
cacagaaaagg	aaaaccaagg	ttctcatgaa	tctccaacct	taaatcctga	aacagtggca	600
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ctaagtcaag	ttaaaggctt	tggttcgaaag	aatggtgtca	atgaagccaa	aatagatgag	720
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catcaacttc	atggaaaagaa	agaagcgtat	gacacattga	ttaaagatct	caaaaaagcc	840
aatcttttga	ctcttgcaga	gaaaattcag	actatcatcc	tcaaggacat	tactagtgc	900
tcagaaaatt	caaacttcag	aaatgaaatc	caaagcttgg	tctag		945

<210> 21

<211> 663

<212> DNA

<213> Homo sapiens

<400> 21

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gttactacag ttgagactca gaacttggaa ggcctgcatc atgatggcca attctgccat 180
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gactgcgtgc cctgccaaga agggaaaggag tacacagaca aagcccatTT ttcttccaaa 300
tgcagaagat gtagattgtg tgatgaagga catggcctag aagtggaaat aaactgcacc 360
cggaccaga ataccaagtg cagatgtaaa ccaaactttt tttgtaactc tactgtatgt 420
gaacactgtg acccttgcac caaatgtgaa catggaatca tcaaggaatg cacactcacc 480
agcaacacca agtgcaaaga ggaaggatcc agatctaact tggggtggct ttgtcttctt 540
cttttgccaa ttccactaat tgtttgggtg aagagaaagg aagtacagaa aacatgcaga 600
aagcacagaa aggaaaacca aggttctcat gaatctccaa ccttaaattc tatgttgact 660
tga

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<210> 22
 <211> 450
 <212> DNA
 <213> Homo sapiens

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<400> 22
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aaaagtgtta atgccaagt gactgacatc aactccaagg gattggaatt gaggaagact 120
gttactacag ttgagactca gaacttggaa ggcctgcatc atgatggcca attctgccat 180
aagccctgtc ctccaggtga aaggaaagct agggactgca cagtcaatgg ggatgaacca 240
gactgcgtgc cctgccaaga agggaaaggag tacacagaca aagcccatTT ttcttccaaa 300
tgcagaagat gtagattgtg tgatgaagga catgatgtga acatggaatc atcaaggaat 360
gcacactcac cagcaacacc aagtgcaaag aggaaggatc cagatctaac ttggggtggc 420
tttgtcttct tcttttgcca attccactaa
450

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<210> 23
 <211> 399
 <212> DNA
 <213> Homo sapiens

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<400> 23
atgctgggca tctggaccct cctacctctg gttcttacgt ctgttgctag attatcgtcc 60
aaaagtgtta atgccaagt gactgacatc aactccaagg gattggaatt gaggaagact 120
gttactacag ttgagactca gaacttggaa ggcctgcatc atgatggcca attctgccat 180
aagccctgtc ctccaggtga aaggaaagct agggactgca cagtcaatgg ggatgaacca 240
gactgcgtgc cctgccaaga agggaaaggag tacacagaca aagcccatTT ttcttccaaa 300
tgcagaagat gtagattgtg tgatgaagga catgatgtga acatggaatc atcaaggaat 360
gcacactcac cagcaacacc aagtgcaaag aggaagtga
399

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<210> 24
 <211> 261
 <212> DNA
 <213> Homo sapiens

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<400> 24
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gttactacag ttgagactca gaacttggaa ggcctgcatc atgatggcca attctgccat 180
aagccctgtc ctccagatgt gaacatggaa tcatcaagga atgcacactc accagcaaca 240
ccaagtgcaa agaggaagtg a
261

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<210> 25
 <211> 312
 <212> DNA
 <213> Homo sapiens

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<400> 25
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aaaagtgtta	atgcccaagt	gactgacatc	aactccaagg	gattggaatt	gaggaagact	120
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aagccctgtc	ctccagatgt	gaacatggaa	tcatcaagga	atgcacactc	accagcaaca	240
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caattccact	aa					312

<210> 26
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 26						
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gttactacag	ttgagactca	gaacttggaa	ggcctgcatc	atgatggcca	attctgccat	180
aagccctgtc	ctccaggtga	aaggaaagct	agggactgca	cagtcaatgg	ggatgaacca	240
gactgctgtc	cctgccaaga	agggaaaggag	tacacagaca	aagcccattt	ttcttccaaa	300
tcagaagat	gtagattgtg	tgatgaagga	catgatgtga	acatggaatc	atcaaggaat	360
gcacactcac	cagcaacacc	aagtgcaaag	aggaaggatc	cagatctaac	ttgggggtggc	420
tttgtcttct	tcttttgcca	attccactaa				450

<210> 27
 <211> 19
 <212> DNA
 <213> Mus musculus

<400> 27		
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<210> 28
 <211> 19
 <212> DNA
 <213> Homo sapiens

<400> 28		
gtgcagatgt	aaaccaaac	19

<210> 29
 <211> 19
 <212> DNA
 <213> Mus musculus

<400> 29		
atacatcccg	agaattgct	19

<210> 30
 <211> 19
 <212> DNA
 <213> Homo sapiens

<400> 30		
atatatcacc	actattgct	19

<210> 31
 <211> 19
 <212> DNA
 <213> Mus musculus

<400> 31
 aagccgaatg tcgcagaac 19

<210> 32
 <211> 19
 <212> DNA
 <213> Homo sapiens

<400> 32
 aagccaatct ttgtactct 19

<210> 33
 <211> 21
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic GFP
 sequence

<400> 33
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<210> 34
 <211> 21
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic GFP
 sequence

<400> 34
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<210> 35
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic DNA
 motif

<220>
 <221> modified_base
 <222> (3)..(21)
 <223> any nucleotide

<400> 35
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